

VINOGRADOV, G.V., and BORODULINA, L.P.
R-2876. Nomographs for the Langmuir equation.
Zhur. Priklad. Khim., 21, p.249-50, 1948. (4p.)

Gel'd, P. V., Yesin, O. A. and Maron, F. S.
THE ELECTROLYTIC NATURE OF COMMERCIAL
LIQUID CALCIUM CARBIDE (Elektroliticheskaya
Priroda Zhidkogo Tekhnicheskogo Karbida Kaltsiya).
Apr 61 [1958] 22:1811 RTS-1793.
Order from OTS or SLA \$1.60

61-19704

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1948.
v. 21, no. 3, p. 251-259.

DESCRIPTORS: Calcium compounds, *Carbides,
Electrochemistry, Conductivity, *Fused materials,
Salts.

(Chemistry - Physical TT, v. 6, no. 2)

61-19704

I. Gel'd, P. V.
II. Yesin, O. A.
III. Maron, F. S.
IV. RTS-1793
V. Department of Scientific and
Industrial Research
(Gl. Brit)

Office of Technical Services

ZHUR PRAK KHIM

Vol XXI, No 3, 1948,
8 pp

"Research on Raw Materials for the Production of Mineral
Wool"

V. F. Zhuravlev
M. A. Sychev

AEC/BNL/tr-138

70T23

Synthetic Carbamide from Ammonia and Carbon
Dioxide, by G. A. Yskovkin, 14 pp.

RUSSIAN, *er*, *Zhur Prik Khim*, Vol I, 1928,
pp 70-77.

SLA R-2921

Sci

Jul 59

92, 359

Barium Process of Manufacturing Alumina
from Bauxites and Aluminum Silicates
Rich in Silica, by G. G. Uragov and A. V.
Chitayev, 23 pp.

Z

RUSSIAN, per, Zhur Prik Khim, Vol I, 1928,
pp 96-109.

SLA R-2292

Sci

Aug 58

72, 559

Catalytic Chlorination of Acetic Acid, by G. D.
Lyubarskiy, 13 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol II, No 5, ~~1929~~
1929, pp 621-627.

Sci Trans Center RT-656

Scientific - Chemistry
CTS/DEX

10,970

The Flow Pressure of Metals and Their Alloys at
Different Temperatures, by V. P. Shishokin.

Full translation.

RUSSIAN, no per, Zhur Prik Khim, Vol II, No 6, USSR,
1929, pp 663-673.

SEC 1r 1505

Scientific - Minerals, metals, chemistry, alloys

9153/01

Polymerization and Solubility of Phosphates, by S. S.
Dragunov; 8 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol III, 1930, pp.
797-805.

SLA R-2813

Sci

Jul 59

91,410

Electrolytic Production of Potassium
Ferricyanide, by V. P. Klimskij, N. P.
Lapin, 29 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii,
Vol III, No 7, 1930, pp 981-998.

Sci Tr Center

RT 3604

Chemistry

36,154

Jun 56 CTS

Investigation on the Preparation of Liquid Gold,
by V. E. Tishchenko, S. A. Smirnov.

RUSSIAN, per, Zhur Prikl Khim, Vol III, No 7,
1930, pp 1041-1054.

WIL MTS 1942

Sci - Chem

Aug 62

211, 506

Volumetric Determination of Carbonates of
Alkaline Earth Metals, by A. V. Filosofov,
3 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol IV, 1931,
pp 532-534.

SLA R-2491

Sci

Aug 58

72,805

Precipitation of Magnesium Chloride from Hydrochloric
Acid Solutions, by A. P. Chukhov, V. P. Lavrov,
8 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol IV, 1931, pp
994-1001.

SLA R-3342 62-18144

Sci

Aug 59

94,153

Solubility of Sodium Carbonate and Sodium
Sulfate in Various Concentrations of
Sodium Hydroxide at Various Temperatures,
by G. V. Prikhod'ko.

RUSSIAN, no per, Zhur Prik Khim, Vol V,
1932, pp 31-33.

Assoc Tech Sv RJ-264
\$4.40

Scientific - Chemistry
CTB 73/Oct 1955

27,722

The Absorption of Silicon Tetrafluoride on Sodium
Fluoride, by V. S. Yatlov, I. G. Ryss, 22 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol V, No 3/4,
1932, pp 332-343.

Sci Tr Center RT-2788

Scientific - Chemistry
Dec 55 GTS/DIX

29,491
SLA R-3330

Novakovskii, M. S.
DETERMINATION OF HEAT CAPACITIES OF LIQUIDS
OF THE AMMONIA-SODA PROCESS. [1961] 3p.
Order from RS \$2.50

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1932,
v. 5, p. 344-346.

DESCRIPTORS: Sodium compounds, Carbonates,
Production *Solvay process, Analysis.

(Unannounced)

61-25128

I. Novakovskii, M. S.
II. Stux, Erica, Akron, Ohio

184182

Office of Technical Services

The Problems of Registering the Penetration
in Research on the Dynamic Activity of
Sorbents, by M. Dubinin, V. Andreyev.

RUSSIAN, no per, Zhur Prikl Khim, Vol V,
No 3/4, 1932, pp 413-424.

Def Sci Info Sv,
DRB, Canada
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Scientific - Physics

CTS/DEX

13,785

Oxidation of Phosphorous Acid, by I. U. Bushmakin, I. P. Volkenstein, P. Y. Rachinskiy, 138p.

RUSSIAN, per, Zhur Prik Khim, Vol. V, 1932, pp
557-566.

SLA R-2980

Sci

Jul 59

91,409

Purification of Hydrogen Containing Phosphine Under
Pressure, by I. N. Bushmekin, M. V. Ryankov, 12 pp.

RUSSIAN, Ser, Zhur Prik Khim, Vol V, 1932, pp
705-714.

SIA R-2982

Sci

Jul 59

92,583

The Corrosion of Metals and Alloys by Phosphoric
Acid and Phosphorus. by M. Rysakov, I. N. Bushmekin,
7 pp.

RUSSIAN. ser, Zhur Prikl. Khim, Vol V, 1932, p. 715-~~7~~
721.

SLA R-2871

S
Sci

Jul 59

42,728

Zelinskii, N. D. and Kozlov, N. S.
DECOMPOSITION OF NATURAL AND SYNTHETIC
RUBBER IN THE PRESENCE OF ALUMINUM
CHLORIDE. [1961] Ep Briefs
Order from OJS, SLA, or ETC \$1.10 TT-61-16813

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR)
1933, v. 6, [no. 1] p. 36-44.

DESCRIPTORS: *Rubber, *Synthetic rubber, De-
composition, Aluminum compounds, Chlorides,
Hydrocarbons, Polymerization.

(Engineering--Chemical, TT, v. 11, no. 3)

TT-61-16813

I. Zelinskii, N. D.
II. Kozlov, N. S.

Office of Technical Services

Equilibrium in the System $\text{Na}_2\text{SiF}_6\text{-NaCl-H}_2\text{O}$, by
V. Y. Anosov, S. K. Chrikov, 6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VI, No 2.
1983, pp 224-227.

SLA R-2814

SA

Jul 59

91,406

Purification of Hydrogen Used in Ammonia Synthesis
by Removing Hydrogen Sulfide With Activated Charcoal,
by V. F. Pastnikov, I. P. Kirillov

RUSSIAN, per, Zhur Prik Khim, No 6, pp 240-244,
1933.

AEC-TR-1533

Scientific - Chemistry

1302

Kazanaki, B. A., Balandin, A. A., Tserkovnikov,
N. M., Ivanova, K. A., and Staroverova, E. N.
PREPARATION OF BUTYL AND HEXYL ALCOHOLS
FROM BY-PRODUCTS OF SYNTHESIS OF 1,3-
BUTADIENE FROM ETHANOL. [1961] 9p 8refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16809

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1933, v. 6,
p. 266-273.

DESCRIPTORS: *Alcohols, *Butanols, Hexyl radicals,
Hydrogenation, *Michel catalysts, *Butadienes, Syn-
thesis (Chemistry), *Ethanols

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16809

1. Title: n-Hexyl alcohol
- I. Kazanaki, B. A.
- II. Balandin, A. A.
- III. Tserkovnikov, N. M.
- IV. Ivanova, K. A.
- V. Staroverova, E. N.

Office of Technical Services

Conversion of Gas Obtained in the Electrothermal
Volatilization of Phosphorus, Part II., by B. N. Dol-
gov, B. A. Dolotov, N. P. Shilina, 20 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VI, 1933, pp 479-
493.

SCA R-3344

Sci

Aug 59

93, 582

Oxidation of Red Phosphorus at Elevated Temperatures and Pressures I., by I. N. Busharkin, M. V. Reiskov, A. V. Frost, 15 p

RUSSIAN, per, Zhur Prikl Khim, Vol. VI. 1933, pp 577 587.

SLA R-2914

Sci

Jul 59

91,468

II)
Oxidation of Yellow Phosphorus with Water at
Elevated Temperatures and Pressures, by I. N.
Bushmakina, M. V. Ruisakov and A. V. Frost,
23 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VI, 1933,
pp 588-606.

SLA R-2303

Sci

Aug 58

72,121

Oxidation of Phosphine with Water Under Pressure, by
I. H. Eushmakin, A. V. Frost, 10 pp.

RUSSIAN, per, Zhur. Prik. Khim, Vol VI, 1933,
pp 607-612.

AEC-tr-~~19~~ 1795

11,068

Scientific - Chemistry

Production of Chlorinated Derivatives From Cracked
Gases, by A. P. Dobryanskiy, R. A. Gutner, M. K.
Shehigel'skaya, 14 pp.

RUSSIAN, per, Zhur Prik Khim, Vol. VI, 1933, pp
1133-1139.

Sci Trans Center
RT-1577

TT-64-17565

14,660

Scientific - Chemistry

Dec 54 CTS/DEX

Preparing Aluminum Fluoride by the Interaction of
Hydrogen Fluoride with Aluminum Hydroxide, by V. A.
Yatlov, M. M. Kovalenko, Z. P. Vinogradova, 9 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VII, 1934, pp
39-46.

SIA/R-2515

Sci
Apr 59

84,441

Zelinskii, N. D., Ushakov, M. I. and others.
OVERIDE OMZETTING VAN ACETYLEEN EN ACETALDEHYDE IN ACETON VOLGENS DE CONTACT-METHODE (The Conversion of Acetylene and Acetaldehyde into Acetone by means of Catalysis) tr. by A. Bosch-Schackz and G. J. M. Fritschy. 11p. 5 refs. MTWL: 114 (text in Dutch).
Order from CTS or EIC \$1.55

61-17739

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934, v. 7, p. 83-91.

DESCRIPTORS: Acetylenes, Acetaldehydes, *Acetones, Catalysts, Chemical reactions, Iron catalysts, Manganese.

61-17739

- I. Zelinskii, N. D.
- II. Ushakov, M. I.
- III. MTWL-114
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Komar', N. P. and Maevskaya, V. P.
DE BEPALING VAN ZWAVELKOOLSTOF IN DE
LUCHT (Determining Carbon Disulfide in Air) tr. by
A. Bosch-Sulacz and G. J. M. Fritschy. 8p. 7 refs.
MTWL: 123. (text in Dutch).
Order from OTS or ETC \$11.55

61-17728

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,
v. 7, p. 433-436.

DESCRIPTORS: *Carbon compounds, Sulfides, Air,
Determination.

61-17728

- I. Komar', N. P.
- II. Maevskaya, V. P.
- III. MTWL-123
- IV. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Zagvozdin, K.
ON THE THEORY OF THERMAL REDUCTION OF
PHOSPHORUS FROM CALCIUM PHOSPHATES
ACCORDING TO WUEHLER. [1963] 23p. (figs. omitted).
12 refs.

Order from OTS or SLA \$2.60

63-16231

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,
v. 7, no. 3, p. 455-468.

DESCRIPTORS: *Phosphorus, *Calcium compounds,
*Phosphates, *Reduction (Chemistry), Dissociation,
Reaction kinetics, Temperature, Manufacturing
methods.

(Chemistry--Physical, TT, v. 10, no. 7)

63-16231

1. Title: Wuehler reaction
1. Zagvozdin, K.

Office of Technical Services

On Equilibrium of Liquid Mixtures and Solutions, by
V. A. Kiseev, A. A. Popov,

RUSSIAN, per, Zhur Prikl Khim, Vol VII, No 4, 1934,
pp 489-496.

~~Sci Tr Center TT 308~~
~~RUSSIAN & DUTCH: OTC 6-17719~~

Scientific - Chemistry
CTS/DEX

RUSSIAN & DUTCH: OTC 6-17719

14,059

Kireev, V. A. and Khachadurova, E. M.
OVER HET EVENWICHT IN VLOEISTOFMENGSELS
EN IN OPLOSSINGEN. II. KOOKTEMPERATUUR EN
SAMENSTELLING VAN DEN DAMP VAN HET SYS-
TEEM: AETHYLALCOHOL-AETHER (Equilibria in
Mixtures of Liquids and Solutions. II. Boiling Points
and the Composition of the System Ethyl Alcohol and
Ether Vapors) tr. by A. Bosch-Sukacz and
G. J. M. Fritschy. 6p. 3 refs. MTWL: 134. (text in
Dutch).
Order from OIS or EIC \$1.55

61-17718

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,
v. 7, p. 495-496.

DESCRIPTORS: Phase studies, *Ethanol, *Ethers,
Vapors, *Boiling, Temperature.

61-17718

- I. Kireev, V. A.
- II. Khachadurova, E. M.
- III. MTWL-134
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Purification and Conversion of the Gas
Obtained in the Electrothermal Volatiliza-
tion of Phosphorus, III, by B. N. ~~DOLGOV~~
F. A. Bolotov and A. N. Popova, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VII,
1934, pp 497-502.

SLA R-2212

Sci

Aug 58

72,124

Equilibrium of the Reciprocal System $\text{H}_2\text{SO}_4\text{-NH}_4\text{NCO}_3\text{-H}_2\text{O}$ at 0°, by A. P. Belopol'skiy, A. Ya. Shpunt, M. T. Serebrenikova.

RUSSIAN, no per, Zhur Prikl Khim, Vol VII, No 5, 1934, pp 669-686.

36,096

Inadoc

Scientific - Chemistry

Nat Phys Lab of India
Hillside Rd
New Delhi-12, India

Jun 56/dex

Utilization of Natural Sodium Sulfate For Obtaining
Soda and Ammonium Sulfate, by A. F. Belopol'skiy,
N. P. Aleksandrov.

RUSSIAN, no per, Zhur Prikl Khim, Vol VII, No 5, 1934,
pp 687-721.

Scientific - Chemistry

Jun 56/dec

36,095

Insdoc

Nat Phys Lab of India

Hillside Rd

New Delhi-12, India

Orlov, N. A., Shestakovskii, M. F., and
Shabarov, V. V.

THE MANUFACTURE OF CYCLOHEXANOL tr. by
G. J. M. Fritschy. 7p. 6 refs. MTWL: 334.
Order from OTS or ETC \$1.55 61-17928

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934, v. 7,
p. 760-763.

DESCRIPTORS: *Cyclohexanols, *Phenols, Hydroge-
nation, Nickel catalysts.

61-17928

- I. Orlov, N. A.
- II. Shestakovskii, M. F.
- III. Shabarov, V. V.
- IV. MTWL-334
- V. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Catalytical Saponification of Chlorobenzene With
Steam, by D. V. Tishchenko, A. M. Churbakov, 9 pp.
RUSSIAN, per, Zhur Prik Khimiy, Vol VII, No 5,
1934, pp 764-769.
OTS 63-18540

Sci-Chem
March 64

252,069

A New Type of Silica Gel for Regenerating
(Transformer) Oils, by M. V. Kurlin. 5 pp.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 7,
1934, pp 825-829.
OTS TT-61-18023

Sci/Propulsions & Fuels
Jun 67

327,701

The Solubility of Sulfur Dioxide in Sulfuric
Acid by E. K. Lopatto, A. M. Savinyev, 8 pp.

RUSSIAN, per, Zhur Prii Khim, Vol VII, N 1934,
pp 881-886.

SLA R-2935

Sci

Jul 59

92, 350

Yarlykov, M. M.
DE EVENWICHTSTOESTAND VAN DE OPLOSBAAR-
HEID VAN DE SYSTEMEN: $KCl-H_2O-NH_4Cl$ EN
 $NaCl-H_2O-NH_4Cl$ (The State of Solubility Equilibrium
of the Systems $KCl-H_2O-NH_4Cl$ and $NaCl-H_2O-NH_4Cl$)
tr. by A. Bosh, Sukacz and G.J.M. Fritschy. 7p.
MTWL: 136. (text in Dutch).
Order from OIS or ETC \$1.55

61-17720

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,
v. 7, p. 902-905.

DESCRIPTORS: Solubility, *Phase studies, Chemical
equilibrium, *Chlorides.

61-17720

I. Yarlykov, M. M.
II. MTWL-136
III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

A ^aMaterial and Energy Balance for the ^{ar}Carbide Process,
by G. Y. Tarasov, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VII, 1934, pp
906-915.

SLA R-2903

Sci

Jul 59

92,630

Zhur Prikl Khim, # 2, 1121-4, (1934)

The Viscosity of Phosphoric Acid, *HPF*

N. D. Litvinov, T. A. Kryukov and E. A. Kurochkina
(Scientific Inst of Fertilizers)

(Wilson Dam 2389)

SLAR-3027

Levers of Kylan, by H. Ya. Seleznev;

RUSSIAN, no per, Zhur Prikl Khim, Vol VII, No 6,
1934, pp 1029-1035.

Sci. Mus. 56/1361
Nat'l Res Lib TS 583

39,865

Sci - Chemistry
Dec 1956 CHS/Haz

Physical-Chemical Investigation of the Manufacture
of Thermophosphates, by A. G. Bergman, 3 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VII, 1934, pp
1125-1127.

SLA R-2986

Sci

Jul 59

92, 392

Physical-Chemical Investigation of the Manufacture of
Thermophosphates. II The Application of light in
Visual Observations of High Temperatures, by K.
Kuzanin, 4 p.

RUSSIAN, er, ZhurPrik Khim, Vol VII, 1934, pp'
1127-1129.

SLA R-2985

Sci

Jul 59

92, 412

Physicochemical Investigation of the Manufacture of
Thermophosphates. III. The Interaction of Apatite
and Soda, by A. P. Palkin, M. P. Golovkov, 14 pp.

RUSSIAN, per, Zhur. Prikl. Khim., Vol VII, 1943, pp
1130-1143.

Vci

SLA R-2984

Sci

Jul 59

92, 421

Physical-Chemical Investigation of the Manufacture of
Thermophosphates. IV. The Preparation of Sodium
Phosphate, by A. P. Polkin, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol VII, 1934, pp
1144-1146.

SLA R-2983

Sci

Jul 59

92,420

Preparation of 1,3-Butadiene From
2-Butene, by B. P. Fedorov, A. I. Smirnova.
RUSSIAN, per, Zhurnal Prikladnoi Khimii,
Vol VII, 1954, pp 1166-1180.
CFSTI TT 61-16970

Jun 67

327, 275

Kireev, V. A., Kaplan, S. I., and Zlobin, V. N.
OVER HET EVENWICHT IN VLOEISTOFMENGSELS
EN IN OPLOSSINGEN. III. KOOKTEMPERATUUR EN
DAMP-SAMENSTELLING VAN DE SYSTEMEN:
BENZYLCHLORIDE-TOLUOL EN AETHYLEEN-
CHLOORHYDRINE-WATER (Equilibria in Liquid
Mixtures and Solutions. III. Boiling Points and the
Composition of the Vapors of the Systems Benzyl
Chloride-toluene and Ethylene Chlorohydrin-water)
tr. by A. Bosch-Sukacz and G. J. M. Fritschy. 11p.
5 refs. MTWL: 133 (text in Dutch).
Order from OTS or ETC \$1.55

61-17717

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1934,
v. 7, p. 1333-1338.

DESCRIPTORS: Phase studies, *Boiling, Temperatu-
re Vapors, *Toluenes *Chlorides.

61-17717

I. Kireev, V. A.
II. Kaplan, S. I.
III. Zlobin, V. N.
IV. MTWL-133
V. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Grodzovskiy, M. K. and Chukhanov, Z. F.
GASIFICATION OF THE HOT MATERIAL LAYER
BY MEANS OF OXYGEN-ENRICHED AIR. [1961]
[28]p. 7 refs. NCB Trans. A.1620/SEH; [DSIR LLU]
M.1814.

Order from LC or SLA ml\$2.70, ph\$4.80 61-13138

Trans. of Zhurnal Prikladnoy Khimii (USSR)
1934 [v. 7] no. 8, p. 1398-1422.

(Chemistry-Physical, TT, v. 5, no. 12)

61-13138

1. Blast furnaces--Fuel consumption
2. Oxygen--Metallurgical effects
3. Combustion Analysis
 - I. Grodzovskiy, M. K.
 - II. Chukhanov, Z. F.
 - III. NCB-A1620/SEH
 - IV. DSIR LLU M.1814
 - V. National Coal Board (Gt. Brit.)

16055

Office of Technical Services

Slobodin, Ya. M.
COMPARISON OF POLYMERIZING AND ADSORPTION
ABILITY OF SILICATES. [1961] 8p 11 refs.
Order from OTS, SLA, or ETC 51.10 TT-61-16612

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1935,
v. 8 [no. 1] p. 35-43.

DESCRIPTORS: *Silicates, Polymerization, Adsorption,
Effectiveness, Tests.

(Chemistry--Physical, TT, v. 11, no. 3)

TT-61-16612

1. Slobodin, Ya. M.

Office of Technical Services

On the Initial Stage of Combustion of Hydrocarbon
Fuels, by K. I. Ivanov, V. K. Savinova, 33 pp.
(22 pp)

RUSSIAN, per, Zhur Priklad Khim, Vol VIII, 1935,
pp 64-91.

Sci - Chemistry, fuels
Oct 57

SLA Tr R-820 (22 pp)
CTC TT-61-16612 (22 pp)

54, 479

Construction and Operation of Platinum-Resistor
Furnace for the Laboratory to Operate at 1550°,
by K. Kumanin, 8 pp.

RUSSIAN, par, Zhur Prikl. Khim, Vol. VIII, 1935, pp
pp 177-183.

SLA R-2926

Sci

Jul 59

92,608

On the Solubility of Sodium Sulphate in Aqueous
Solution of Ammonium Carbonate at 32.5° , by A. P.
Belopol'skiy, V. V. Urusov.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol VIII,
No 2, 1935, pp 193-194.

Indoc
National Physical Laboratory of India,
Hillside Road
New Delhi-12, India

Chemistry

36,150

Jun 56 CDS

The interaction of sodium chloride and kaolin at high temperatures, by I. I. Kitaygorodskiy, V. I. Bokunyaveva
RUSSIAN, per, Zhurnal Prikladnoy khimii, Vol 8, No 2,
1935, pp 230-237.

NASA TT F 14,251

NASA TT F 14,264 13 pp

apr 72

Phosphorus Nitride, its Preparation and
Properties (A), by V. P. Postnikov and
L. L. Kuzmin, 13 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol VIII, 1935,
pp 129-138.

BIA R-2509

Sci

Aug 58

72, 965

A Contribution to the Knowledge of Humic Substances
by N. A. Orlov, V. V. Tishchenko, E. M.
Tarasenkova, 5 p.

RUSSIAN, per, Zhur Prikl Khim, 1935, Vol VIII, No 3,
pp 501-504.

SLA 59-20895

Sci
Apr 60
Vol III, No 2

744, 501-504

111,655

Determination of Thermodynamic Properties of
Solutions of Mineral Salts During Evaporation
and Crystallization, by G. I. Voinilovich,
L. K. Akhrap, L. S. Mai.

RUSSIAN, no per, Zhur Prikl Khim, Vol VIII, No 4,
1935, pp 589-597.

INSDOC T. 760

29,467

Scientific - Chemistry
Indian Natl Sci Doc Center, Natl Physical Lab
of India, Hillside Rd, New Delhi, 12.

Vapor-Phase Hydrolysis of Chlorobenzene, by
D. Tishchenko, R. Guntner, et al, 22 pp.
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OTS 63-18541

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Physical Heterogeneity of Nitrocellulose and the
Properties of Its Fractions, Part I, by Z. Rogovin,
S. Glazman, 17 pp.

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1935, pp 1237-1247.

Sci Trans Center RT-978

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Obtaining Chlorine Compounds of Phosphorus from
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SLA R-3359

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Acids From the Wax-Like Fraction of Peat
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1936, pp 217-224.

Navy Tr 1428/NRL 585

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The vapour pressures of HF , SiF_4 and H_2O over solutions
of the system $\text{HF}-\text{H}_2\text{SiF}_6-\text{H}_2\text{SO}_4-\text{H}_2\text{O}$, by N. Khaydukov, Z.
Linetzkaya, and A. Boghovarev.

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pp 439-45, ^{VL} ^{hw}

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The Determination of the Viscosity and
Density of Water Solutions of Urea, by
N. D. Litvinov and A. I. Mel'nikova, 7
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SLA R-2437

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4 pp.

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1936, pp 885-888.

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N. P. Boghko. Concerning
Investigation of the Saponifi-
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RT-2054

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Production of Lacquer Nitrocellulose from Purified
Woodpulp., Part I., by L. E. Akin, A. S. Konoplev,
18 pp.

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1936, pp 1082-1089.

Sci Tr ~~Sci~~ Center RT-680

Scientific - Chemistry

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Preparation of Lacquers from Woodpulp Nitrocellulose.
Part II., by L. E. Akim, V. V. Zhebrovskiy, 9 pp.

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Scientific - Chemistry

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Nikolaev, N. S., Ivanov, N. A., and Koltypin, S. G.
SODIUM SILICOFLUORIDE AND ALUMINUM FLUORIDE AND THEIR SOLUBILITY IN WATER AND IN HYDROFLUORIC ACID. [1963] 16p. 8 refs.
Order from OTS or SLA \$1.60 63-14618

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1936,
v. 9, p. 1183-1190.

DESCRIPTORS: *Sodium compounds, *Fluorides,
*Silicates, Solubility, Water, Acids, Aluminum
compounds, Temperature, Statistical data.

The work described showed that with increase of temperature and HF concentration in the solvent the solubilities of both Na_2SiF_6 and $\text{Al}_2\text{F}_6 \cdot 5\text{H}_2\text{O}$ increase. The composition of the aluminum fluoride corresponding to the ordinary method by which it is produced was established. This composition is $\text{Al}_2\text{F}_6 \cdot 5\text{H}_2\text{O}$. Invest. (Chemistry-Inorganic, TI, v. 10, no. 4) (over)

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I. Nikolaev, N. S.
II. Ivanov, N. A.
III. Koltypin, S. G.

Office of Technical Services

Preparation of Hydrocarbons of the Butadiene
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SLA TT-61-18054

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Sulfate to
Reduction of Sodium/Sulfide by Natural Gas
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M. A. Khokhlovkin, et al. 9 pp.
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PREPARATION OF SECONDARY OCTYL ALCOHOL
AND SEBACIC ACID. [1961] 28p 27refs
Order from OTS, SLA, or ETC \$2.60 TT-61-16551

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1936,
v. 9, p. 1613-1623.

DESCRIPTORS: *Alcohols, Octanes, *Sebacic acid,
Synthesis (Chemistry), Purification, Permanganates,
Distilling plants

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16551

I. Title: sec-Octyl alcohol
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II. Vul'fon, N. S.

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Chemistry of Titanium IV. Chlorination of Titanomagnetite, by A. V. Pamfilov, E. G. Shtandel',
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Scientific - Chemistry

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Preparation of Calcium Sulfide from Gypsum, by V. R.
Ter-shkerich, G. N. Evetskiy, 21 pp.

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Kashtanov, L. I., Ivanova, N. P., and Ryzhov, V. P.
CATALYSIS OF THE RATE OF DECOMPOSITION OF
OZONE BY DIFFERENT METAL SURFACES. [1961]

6p. 1 ref.

Order from OTS or SLA \$1.10

61-14474

Trans. of Zhurnal Prikladnoy Khimii (USSR) [1936]
v. 9, no. 12, p. 2176-2178.

DESCRIPTORS: Catalysis, *Ozone, Decomposition,
Metals, Chemical reactions, Surface properties.

I. Kashtanov, L. I.
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ON THE QUESTION OF THE REDUCTION OF IRON
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I. STUDY OF THE REDUCTION PROCESS. [1964] 24p
(figs omitted) 12 refs
Order from OLS, SLA, or ETC \$2.50 TT-64-10744

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1937, v. 10,
no. 1, p. 19-34.

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-10744

I. Lachinov, S. S.
II. Title: Study of the

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Determination of CaSO_4 in Gypsum by V. K. Zolotukhin
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Chlorination of / Minerals Containing Rare Elements, by
G. G. Urazov, I. S. Morozov, M. P. Shmantsar', 21 pp.

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Sci Trans Center RT-891

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Physico-chemical Analysis in the Field of Nitric
Acid-Treatment of Phosphates, by A. P. Belopolakiy,
M. N. Smulgina, M. T. Serebrennikova, S.Y. Shpunt,
10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol X, No 3, 1937,

SLA R-2868

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The Reduction of Iron Catalysts Used in the
Synthesis of Ammonia, by S. S. Ischinger,
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Markov, V. K. and Nagornaya, N. A.
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11 refs.

Order from OTS or SLA \$1.60

63-14587

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1937,
v. 10, p. 853-868.

DESCRIPTORS: *Gels, *Silicon compounds, *Dioxides,
*Sorption, Impregnation, Structural properties, Porosity,
Surface-active substances, Adsorption.

(Chemistry--Physical, TT, v. 10, no. 4)

63-14587

I. Markov, V. K.
II. Nagornaya, N. A.

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Relating to Electrolysis Theory of Cryolite
Alumina Solutions, by I. P. Tverdovskiy,
V. S. Malchukov, 19 pp.

RUSSIAN, per, Zhur Erik Khiz, Vol X, No 6,
1937, pp 1011-1019.

Sci Tr Center
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Scientific - Chemistry

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Pressure of Water Vapor Over Molten Sodium and
Potassium Hydroxides, by A. M. Bauman, 19 pp.

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Sci Trans Center
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Scientific - Chemistry

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POLYMERIZATION OF VINYL CHLORIDE IN
SOLUTIONS AND EMULSIONS. [1961] 12p. 11 refs.
Order from CTS or SLA \$1.60 61-18185

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v. 10, p. 1071-1079.

DESCRIPTORS: Vinyl chlorides, Chlorides,
Polymerization, Solutions.

(Unannounced)

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I. Pavlovich, P. I.

Office of Technical Services

Physicochemical Analysis in the Nitric Acid
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Calcium Nitrate in Aqueous Solutions of Nitri-
Acid, by A. P. Belopol'skiy and V. V. Urusov,
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol X, 1937,
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Solubility of Sodium Fluosilicate in
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Out Effect of Sodium Chloride, by M.
L. Chepelevetskiy and T. Bolts, 12 pp.

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1937, pp 1183-1193.

OTS 63-14609
SLA R-2175

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I. D'yachkov, V. D.

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INTERACTION OF THE SODIUM ALUMINATE AND
SILICA SOLUTIONS. 14 Feb 45, 8p. (figs. omitted)
10 refs.

Order from OTS or SLA \$1.10

63-10352

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1937,
v. 10, p. 1211-1215.

Another trans. is available from SLA as R-4960, 8p.

DESCRIPTORS: *Sodium compounds, *Aluminates,
Chemical reaction, *Silicon compounds, Colloids,
Chemical precipitation, Chemical analysis, Oxides.

(Chemistry--Inorganic, TT, v. 9, no. 11)

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Determination of Viscosity and Density of Aqueous
Solutions of Technical Caustic, by A. I. Sevtsov,
6 pp.

RUSSIAN, per, Zhur Prii Khim, Vol X, No 8, 1937,
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SCI Tr Center
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Physicochemical Analysis of the Nitric Acid Treatment of Phosphates III. The System $\text{CaO-P}_2\text{O}_5\text{-H}_2\text{O}$ at 50°, by A. P. Belopol'skiy, M. T. Berebrennikova, S. I. Shpunt, 9 pp.

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ELA R 3017

Sci

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